



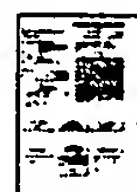
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JP10295632A2: FLUORESCENT DIAGNOSTIC DEVICE

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Country: **JP Japan**

Kind:

Inventor(s): **FURUSAWA KOICHI**


Applicant(s): **ASAHI OPTICAL CO LTD**
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Issued/Filed Dates: **Nov. 10, 1998 / April 30, 1997**

Application Number: **JP1997000112854**

IPC Class: **A61B 1/04; A61B 1/00; A61B 10/00;**

Abstract: **Problem to be solved:** To specify the part to be subjected to a spectral measurement on an image of a bio-tissue to be diagnosed, which is photographed using an endoscope, and to make automatic spectral measurement of the specified part.
Solution: Fluorescence from the inner wall of a body cavity of a patient is transmitted within an image guide fiber bundle 14 of an endoscope 10 and emitted as parallel rays from an eyepiece lens 16a. A partial reflection mirror provided in a mirror box 50 transmits a great majority of the rays and reflects the remaining portion. The transmitted rays form the image of the inner wall of body cavity by an image formation lens. The generated image is photographed by a CCD 34 for fluorescent observation and given on the display of a video monitor device 60. On the other hand, the rays reflected by the partial reflection mirror form an aerial image of the inner wall of body cavity by image formation lens. A touch panel is installed on the display of the video monitor device 60. When part of the touch panel is pressed, the tip of a fiber probe for spectral measurement of a spectroscopy 39 is moved by an X-Y table 31 to a position equivalent to the pressed position on the touch panel in the aerial image.
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Family:  [Show 2 known family members](#)

Other Abstract Info: none

Foreign References: (No patents reference this one)

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